### James R. Evans

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### **PERSONAL**

Born March 26, 1950 Married, two daughters Citizenship: U.S.A.

#### **EDUCATION**

# Georgia Institute of Technology

September 1972 to June 1975. Ph.D. in the School of Industrial and Systems Engineering with emphasis in operations research. Dissertation Title: Theoretical and Computational Aspects of Integer Multicommodity Network Flow Problems. Advisor: Dr. John J. Jarvis.

# **Purdue University**

September 1968 to June 1972. Bachelor of Science in Industrial Engineering (with Highest Distinction), January 1972. Master of Science in Industrial Engineering, June 1972. Thesis: On Determining the Distribution of Maximum Flows in Networks with Discrete Probabilistic Branch Capacities. Advisor: Dr. Thomas W. Hill, Jr.

#### ACADEMIC EXPERIENCE

### University of Cincinnati

November 1991 - present - Director, Total Quality Management Center, College of Business Administration June 1986 - present - Adjunct Professor of Industrial Engineering March 1985 - September 1990 - Head, Department of Quantitative Analysis and Information Systems

January 1985 to March 1985 - Acting Head, Department of Quantitative Analysis and Information Systems

September 1983 to present - Professor of Quantitative Analysis and Operations Management

September 1978 to August 1983 - Associate Professor of Quantitative Analysis

September 1980 to August 1982 - Director of Business Logistics

September 1975 to August 1978 - Assistant Professor of Quantitative Analysis

# Georgia Institute of Technology

September 1972 to March 1975 - Graduate Teaching Assistant - Georgia Institute of Technology

# BUSINESS AND CONSULTING EXPERIENCE

Chicago, Rock Island and Pacific R.R. Summer 1971 and 1972, Industrial Engineering Analyst.

U.S. Army Computer Systems Command
Summer 1970, Washington Summer Intern Program Participant.

Consulting in Operations Research Applications: AT&T, The Kroger Co., Structural Dynamics Research Corporation, American League of Professional Baseball Clubs, Butler County Ohio Engineer's Office, Procter and Gamble, Decisioneering, Inc., Cincinnati 2012 (Olympic Bid Committee)

Creative Thinking Training: Hallmark Cards

EXHIBIT B

Quality Control Consulting and Juning: Consolidated Metal Products, Shephe hemical Co., Crane Electronics, Square D Corp, EM Science, Bethesda Hospital of Cincinnati, Cincinnati Microwave, Avery Dennison Decorating Technologies

Quality Management Consulting and Baldrige Training/Development/Assessment: XeroxConnect, Kendle International, Rose-Hulman Institute of Technology, Greater Cincinnati Chamber of Commerce Center of Excellence, Cincinnati State Technical and Community College, Structural Dynamics Research Corporation.

Examiner, Malcolm Baldrige National Quality Award: 1994-1996

Senior Examiner, Malcolm Baldrige National Quality Award: 1997 - 1999

Alumni Examiner, Malcolm Baldrige National Quality Award: 2000 - 2001

Senior Examiner, Ohio Award for Excellence: 2000-2001

Judge, Ohio Manufacturer's Association, Case Studies in Business Excellence Competition, 1996-1998

City of Cincinnati, Seasongood Innovation Award Program, Committee Member 1998-2000; Chair 1998.

Judge, Greater Cincinnati Chamber of Commerce Small Business of the Year Awards, 2001

Board of Trustees, Ohio Award for Excellence, 2002-2005.

Judge, U.S. Army Communities of Excellence Award, 2002.

### GRANTS AND AWARDS - Principal Investigator

College of Business Administration Summer Faculty Research Grant, "Practices for Analyzing Organizational Performance," \$10,000

University of Cincinnati, Faculty Development Grant, "Developing and Enhancing CBA Multimedia Instruction," \$13,835.

Greater Cincinnati Chamber of Commerce, Baldrige Training, 2000, \$5,250

University of Cincinnati, Faculty Development Grant, 1999 "Instructional Technology Enhancements," \$2,400

University of Cincinnati, Summer Institute on Instructional Technology, 1998, \$3,000

University of Cincinnati, Faculty Development Grant, 1997 "Train the Trainer," \$3,260

University of Cincinnati, Faculty Development Grant, 1996 "World Class Quality Management Education," \$5,000

American Society for Quality Control Education Board Research Fellowship Program, 1994, "Benchmarking Quality Training Practices," \$5,000

Procter & Gamble, "North American Product Sourcing," \$31,000 (with J. Camm and D. Sweeney), 1993

Procter & Gamble, "Ohio Center for Total Quality Management Education," \$100,000 (with A. Houshmand, C. Papadakis, and J. Schnee), 1992-93.

Procter & Gamble, "Ohio Center for Total Quality Management Education," \$70,000 (with A. Houshmand, C. Papadakis, and J. Schnee), 1993-94.

General Electric Aircraft Engines Continuous Improvement Education Fund, 1992, "Course Development for Quality Management and Control," \$10,000.

General Electric Aircraft Engines Continuous Improvement Education Fund, 1991, "Course Development for Quality Management and Control," \$10,000.

State of Ohio, Eminent Scholar Proposal, \$500,000 (with J. Meredith and J. Camm), 1989

Institute for Advanced Manufacturing Sciences, 1987, "Design of Computer-Assisted Instructional Software for Statistical Quality Control," \$27,423.

University Research Council Summer Faculty Fellowship, 1977, "Survey of Integrality in Multicommodity Networks," \$2,688.

College of Business Administration Faculty Development Fund, 1979, "Study of Computer Uses and Needs," \$3,000.

# Minor grants (under \$1000):

University Research Council, 1981, "Ridesharing Evaluation Study"; Provostal Support Program, 1985, "Impact of Microcomputers on Operations Research"; University Research Council, 1985, "Expert System Development Tools"; Several University Research Council Travel Grants.

### HONORS AND AWARDS

Honor Societies Phi Eta Sigma - Academic Alpha Pi Mu - Industrial Engine grau Beta Pi - Engineering
Omicron Delta Kappa - Leadership
Phi Kappa Phi - Scholarship
Pi Mu Epsilon - Mathematics
Beta Gamma Sigma - Business
Sigma Xi - Scientific Research
Alpha Iota Delta - Decision Sciences
Omega Rho - Operations Research

# Awards and Recognitions

Outstanding Paper, "Successful Implementation of Six Sigma: Benchmarking General Electric Company," (with K. Henderson) *Benchmarking: An International Journal*, vol. 7, No. 4, 2000, 260-281, Literati Club Awards for Excellence 2001, MCB University Press.

Dennis E. Graowig Distinguished Service Award, Decision Sciences Institute, 2000.

"What Should Higher Education Be Teaching About Quality?" published in *Quality Progress*, August 1996, received a citation of Excellence from Anbar Electronic Intelligence in 1997

Finalist, INFORMS Franz Edelman Award for Achievement in OR/MS, (with D. Sweeney, J. Camm, T. Chorman, F. Dill, and G. Wegryn), 1996

University of Cincinnati Faculty Achievement Award, 1994

Who's Who in American Education, 4th Edition

Who's Who in the Midwest, 23rd Edition

College of Business Administration CBA Professorship

Zenith Data Systems, Masters of Innovation II Award, Second Place, Business Category, 1990.

Fellow, Decision Sciences Institute, elected 1989.

Zenith Data Systems, Masters of Innovation Award, Second Place, Business Category, 1989.

Graduate Business Student Association - Outstanding Faculty Member, Department of Quantitative Analysis and Information Systems, 1987.

Decision Sciences Institute/Alpha Iota Delta Innovative Education Award, 1984.

Graduate Business Student Association - Outstanding Faculty Member, Department of Quantitative Analysis, 1982

Outstanding Young Men of America, 1980.

Sigma Xi Research Recognition Award, University of Cincinnati, 1979.

Operations Research Society of America, Fourth Annual Student Paper Competition, Honorable Mention, 1974. American Institute of Industrial Engineers - Armstrong Cork Co. Student Award for Excellence, First Place, Men's Division, 1972.

American Institute of Industrial Engineers Midwest Regional Student Paper Contest, First Place, 1971. Purdue University H.T. Amrine Award in Industrial Engineering, 1970.

#### PROFESSIONAL AND COMMUNITY SERVICE

#### Society Memberships

Institute of Industrial Engineers (IIE) - 1968-1999

Institute for Operations Research and Management Science (formerly the Operations Research Society of America and The Institute of Management Sciences - since 1970

Decision Sciences Institute (DSI) - since 1978

American Production and Inventory Control Society (APICS) - since 1983

American Society for Quality (ASQ) - since 1988

Production and Operations Management Society - since 1992

#### **Professional Activities**

The Institute of Management Sciences
College of Engineering Management
Vice-Chairman 1981 - 82
Newsletter Editor 1981 - 82
Secretary/Treasurer 1982 - 83
Chairman-Elect 1983 - 84
Chairman 1984 - 85
Director 1985 - 88

Academic Network Liaison, 1997 present

Visiting Lecturer's Program Committee (1986 - 88)

Chairman, 1987 - 88

Visiting Lecturer, ORSA/TIMS Visiting Lecturers Program, 1988 - present

Publications Committee, 1993-94

Ad-hoc Review Committee, Annual Comprehensive Index, 1993

### Operations Research Society of America

Chairman, Cincinnati-Dayton Chapter 1978 - 79

Doctoral Student Colloquium Committee 1990

Contributed Papers Chairman, 1991 Nashville Conference

Cluster Chair, Quality Management and Control, 1995 New Orleans Conference

### Decision Sciences Institute

Innovative Education Committee, 1986 - 88; Co-Chairperson, 1987; Chairperson, 1988

Reviewer, Doctoral Dissertation Award Competition, 1987

Doctoral Student Affairs Committee, 1989-90

Doctoral Consortium Faculty Participant, 1989, 1992

Track Chair (MS/OR), 1990 National Conference

Vice-President at Large, 1990 - 92

Secretary, 1993-94

New Faculty Development Workshop Coordinator, 1991 National Conference

Fellows Committee, 1991-93, 2000-2002; Chairperson, 1992-93

Member Services Committee, 1991-93

Programs and Meetings Committee, 1991-93

New Faculty Consortium Faculty Participant, 1992

Program Chair, 1993 National Conference

Doctoral Student Consortium Coordinator, 1994

Best Paper Award Committee, 1995

President-Elect, 1996-97

Regional Activities Committee, Chair 1996

President, 1997-98

Nominating Committee, Chair 1998-99

Development Committee for Excellence in the Decision Sciences, 1998, 1999 (Chair), 2000

Fellows Committee, 2000 - 2001

# Production and Operations Management Society

Vice-President, Education 1994-96

Track Chair (Quality), POMS National Conference, 1994

Doctoral Student Consortium Presenter, 1994

Workshop Committee, Total Quality Management: Developing Curricula and Research Agendas, 1994

Associate Editor, POMS Special Issue on Total Quality Management, Vol. 3, No. 3, 1994

Doctoral Student Consortium Chairperson, 1996

# Institute of Industrial Engineers

#### Cincinnati Chapter:

Secretary 1976 - 77

Vice-President Administration 1977 - 78

Vice-President Services 1978 - 79

President 1979 - 80

Director 1980 - 84

# Operations Research Division (National):

Associate Newsletter Editor 1978 - 80

Newsletter Editor 1980 - 81

Program Chairman 1982 - 83

Publications Chairman 1983 - 85

Director-Elect, 1985 - 86

Director 1986 - 87

ORSA/TIMS Liason, 1988-90

# Honors and Awards Committee, 1989 National Fall Conference Committee, 1982

# Conference Session Chairs

ORSA/TIMS, Atlanta 1977, "Heuristic Methods"

ORSA/TIMS, Los Angeles 1978, "Heuristic Methods"

Midwest AIDS, Dayton, 1980, 'New Teaching Approaches"

National AIDS, Las Vegas, 1980, "Symposium on Heuristic Methodology"

National AIDS, Boston, 1981, "Quantitative Methods in Advertising"

ORSA/TIMS, Detroit, 1982, "Project/Matrix Management"

ORSA/TIMS, Chicago, 1983, "Project/Matrix Management"

ORSA/TIMS, San Francisco, 1984, "Project Management"

National AIDS, Toronto, 1984, "Research in Quantitative Methodology"

ORSA/TIMS, Dallas, 1984, "Decision Support Systems"

National DSI, Honolulu, 1986 "Mathematical Programming in Production"

ORSA/TIMS, Denver 1988, "Managerial Problem Solving"

National DSI, Las Vegas, 1988, "DSS Applications"

National DSI, New Orleans, 1989, "Mathematical Programming"

ORSA/TIMS, Nashville 1991, "Sequencing Heuristics"

National DSI, San Francisco, 1992, "Fellows Panel: TQM in Decision Science Education

ORSA/TIMS San Francisco, 1992, "Sampling and Statistical Applications"

POMS Orlando, 1992, "TQM Topics"

INFORMS New Orleans, 1995, Cluster Chair, "Quality Management and Control"

POMS Miami, 1997, "TQM: Management Principles"

National DSI, San Diego, 1997, "Factors Relating to Successful Quality Program Implementation"

International DSI, Athens Greece, 1999, "Quality Awards and Certification"

DSI Annual Meeting, New Orleans, 1999, "Papers from the Past: Original Paper Presentations from the First Annual Meetings of the American Institute for Decision Sciences"

DSI Annual Meeting, New Orleans, 1999. Coordinator, Innovative Approaches for Teaching With Spreadsheets Miniconference

DSI Annual Meeting, Orlando, 2000. Coordinator, Innovative Approaches for Teaching With Spreadsheets Miniconference

DSI Annual Meeting, San Diego, 2002, "Customer Satisfaction in Services"

### Other Conference Activities

Discussant, Several DSI Conferences

Reviewer, DSI Annual Conference Papers

Reviewer, ORSA-Nicholson Student Paper Competition 1980

Session Moderator, Several IIE Conferences

Session Moderator, 2003 Baldrige Regional Conference, Cincinnati OH

# Referee, Major Journals

Computers and Operations Research

Computers and Industrial Engineering

Discrete Applied Mathematics

**Decision Sciences** 

European Journal of Operational Research

IEEE Transactions on Engineering Management

**IIE Transactions** 

**INFORMS** Transactions on Education

Interfaces

Journal of Operations Management

Mathematical Programming

Management Science

Networks

Operations Research

Production and Inventory Management

Production and Operations Management

SIAM Journal of Applied Mathematics

# TIMS Studies in Management Science

#### Journal Editorial Boards

Department Editor (Models and Methodologies) IEEE Transactions on Engineering Management (1986 - 1994)

Editorial Board, IEEE Transactions on Engineering Management (1986 - 1995)

Editorial Advisory Board, Computers and Operations Research (1989 - 1999)

Associate Editor, Decision Sciences, (1990 - 1998)

Area Editor, Production and Operations Management (1990 - 1999)

Editorial Review Board, Journal of Operations Management, (1991 - 1998)

Editorial Review Board, Production and Inventory Management, (1991 - present)

Editorial Advisory Board, International Journal of Benchmarking for Quality Management and Technology (1993 - present)

Editorial Board, International Journal of Quality Science (1995- present)

Contributing Editor, "Creativity in OR/MS," Interfaces (1995-1998)

Editorial Advisory Board, Quality Management Journal (1997- present)

Associate Editor, INFORMS Transactions on Education (1999-present)

### Other Professional Service

Reviewer of numerous promotion and tenure files from other universities.

External Ph.D. Oral Examiner, The Darden School, University of Virginia, 1991

External Ph.D. Dissertation Examiner, Faculty of Management, University of Calgary, 1992

Abstracter and Reviewer for Operations Research/Management Science, Mathematical Reviews, Zentralblatt fur Mathematik, Quality Control and Applied Statistics (circa 1980 – 1990)

Reviewer, National Science Foundation, Transformation to Quality Organizations Program, 1994, 1995, 1997, 1998.

Session Co-Chair, 1996 Malcolm Baldrige National Quality Award Regional Conferences (Atlanta, Boston)

#### National and Community Service

Malcolm Baldrige National Quality Award Examiner, Senior Examiner, and Alumni Examiner (1994-2001). Case study evaluation team (1998); case study writing team (2000).

Ohio Award for Excellence, Senior Examiner, Examiner Training Committee (1999); Examiner trainer (1999); Senior Examiner trainer (2000)

Engineering Society of Cincinnati, Transportation Committee Member and Chairman of Van Pooling Task Force, 1978-79.

OKI Regional Council of Government, Ridesharing Advisory Task Force, 1979.

OKI Regional Council of Government, Ridesharing Advisory Council, 1980-83.

Guardian Angels School, PTA Board and Chairman, School Advisory Council, 1990-91.

Speaker at various local high schools.

Advisor on Total Quality implementation, Pro Seniors, Inc. (a United Way agency), 1994 - 1996

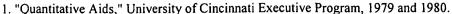
Chairman, Seasongood Innovation Awards, City of Cincinnati, 1997-98; committee member 1999-2000.

#### SPEECHES TO UNIVERSITY AND PROFESSIONAL GROUPS

- 1. "Operations Research-Where It's Been and Where It's Going," AIIE Divisional Workshop on Operations Research, Cincinnati Chapter Meeting, February 22, 1978.
- 2. "Computer Techniques in Scheduling Major League Baseball," AIIE Cincinnati Chapter Meeting, January 17, 1979.
- 3. "Research In Retrospect -The Evolution of Ideas," Sigma Xi Lecture, November 13, 1979.
- 4. "Practical Modeling and Solution of Operations Research Problems," AIIE Columbus Chapter Workshop, February 9, 1980.
- 5. "Writing and Getting Published," Presented to the Ohio Valley Chapter of the Society for Marketing Professional Services, January 24, 1985.
- 6. "Two Examples of the Artificial Intelligence Interface in Operations Research," Miami University Systems Analysis Colloquium Series, October, 1987.
- 7. "Telling Umpires Where to Go: Computer-based Scheduling for the American Baseball League," CBA Alumni Breakfast Lecture Series, March 1988. Also presented this talk as part of the ORSA/TIMS Visiting Lecture Program: Lawrence University, University of Tennessee, Eastern Kentucky University, Berea

College, Somerset Community College.

- 8. "Creative Thinking: It's Role in Business Education," Distinguished Visiting Professor Lecture, California State University, Chico, March 1988.
- 9. "The PC for Quality Management and Control," (co-presenter), Cincinnati Chapter of IIE, February, 1979.
- 10. "Creative Thinking in Operations Research," ORSA/TIMS Visiting Lecturer Program: East Tennessee Section of ORSA/TIMS, October 1989; Bellarmine College, October 1990; Renssalear Polytechnic Institute, November 1991; MIT Operations Research Center, May 1993.
- 11. "Quality Improvement and Creative Problem Solving," ASQC Cincinnati Chapter meeting, October 1989.
- 12. "Creative Thinking" Somerset, Ky. Chamber of Commerce, March 1990.
- 13. "Managing and Measuring Quality," Xavier University Centre for Health Management Shirt Sleeve Congress, March 1990.
- 14. "Creative Thinking and Quality Problem Solving," Association for Quality and Productivity Conference, Cincinnati, October 1990.
- 15. "Computer-Based Routing of Snow Removal Vehicles," Mini-Conference on Operations Research, Youngstown State University, May 3, 1991.
- 16. "Total Quality Management," Xavier Centre's Healthcare Congress, Spring 1992.
- 17. "Total Quality Management," University of Cincinnati Association of Administrators, Managers, and Professionals, September 24, 1992.
- 18. "Quality Leadership From the Academic Sector," Cincinnati Chapter of ASQC Quality Forum VIII, October 1, 1992.
- 19. Panel participant, "End-of-the-Century Visions of Decision Making Research," Decision Sciences Institute National Conference, 1992.
- 20. "Total Quality Management Science," University of South Carolina, April, 1993.
- 21. "Customer Focus and Quality Function Deployment," Institute of Internal Auditors National Conference on Total Quality Management, Ft. Lauderdale, April 1993.
- 22. "Tools and Techniques for Quality Improvement," Goering Center Family Business Forum, University of Cincinnati, 1993.
- 23. "Focusing on Customers," ASQC Cincinnati Section Meeting, May 1994.
- 24. "Can We Grade, Empower, and Drive Out Fear in the Classroom?" Continuous Quality Improvement in Higher Education, Xavier University, October 1994.
- 25. "Total Quality Leadership: Your Agenda for the 21st Century," Keynote speaker, Council of Student Government Associations Conference, Texas A&M University, February, 1994.
- "TQM and the Baldrige Award," College of Business Administration, Texas A&M University, February, 1994.
- 27. "Inside the Baldrige," ASQC Mid-Ohio Valley Chapter Spring Conference, April 1995.
- 28. "Decision Sciences Editorial Policies and Publishing Your Research," 1996 Academy of Management Doctoral Student Consortium, Cincinnati.
- 29. "Inside the Baldrige Award," Miami University Star Seminar Series, October 1996.
- 30. "How to Schedule American Baseball League Umpires," 1997 Pizza and Profs Series, University of Cincinnati Honors Scholars Program
- 31. "Linking Quality Values and Management Practice," Fifth Annual Hawaii Conference on Performance Excellence," Honolulu, October 1997.
- 32. "Creative Thinking and Quality Improvement," 1999 W. E. Mayberry Lecture, Tennessee Technological University (invited by Dr. Curt Reimann).
- 33. "Information and Analysis Practices and Linkages with Organizational Performance Results," ASQ Spring Conference, Columbus Ohio Section, May 2001.
- 34. "Information and Analysis in the Baldrige Criteria," 2001 Ohio Small Business Network Conference, September 2001.
- 35. "Bringing High Performance Management to Education," UC Center for Economic Education, January 2002.
- 36. "Quality at UC: What Managers Need to Know," presentation for Human Resources, January 2002.
- 37. "Introduction to the Baldrige Award," Mason-Deerfield Rotary, September 2002.
- 38. "Baldrige versus AQIP," Ohio Award for Excellence Pre-Conference Workshop on Quality in Higher Education, Columbus, September 2002.
- 39. "How Would You Rate Your Workplace Excellence?" 65<sup>th</sup> Annual Ohio Section Conference, American Water Works Association, September 2003.



- 2. "Statistical Process Control for Quality Improvement," Short Course Management Development Center, University of Cincinnati, 1988, 1989, 1991, 1992.
- 3. "Managing and Controlling Quality," Management Development Center, University of Cincinnati, 1991
- 4. "Quality Management," University of Cincinnati Executive Program, 1988 present.
- 5. "Mastering the Fundamentals of Statistical Process Control," Southeast Missouri State University Short Course, May 1992.
- 6. "Advanced Statistical Process Control," Bethesda Hospital, 1992, 1993; University of Alabama-Birmingham Continuing Education, June 1993.
- 7. "Quality Management and Improvement for Service Industries," Management Development Center, University of Cincinnati, March 1993; University of Alabama-Birmingham Continuing Education, June 1993.
- 8. "A Systems Approach to Quality." University of Cincinnati Executive Program, 1997
- 9. "Understanding the Baldrige Award Criteria," EnterpriseOhio, April 2000; Greater Cincinnati Chamber of Commerce, October 2000, March 2001, September 2001.
- 10."Baldrige in Education," Association for Quality and Participation, February 2001, Columbus, Ohio.
- 11. "How to Use the Ohio Award for Excellence/Baldrige to Assess and Improve Your Organization," Ohio Award for Excellence Pre-Conference Workshop, September 12, 2001.
- 12. Quality Management modules for visiting Chinese government delegations.

#### ACADEMIC SERVICE

# College Committees

CBA Library Committee 1975-76, 1994-96

CBA Production/Operations Management Advisory Committee, 1976-78

CBA Undergraduate Programs Committee 1976-78

CBA Advisory Committee on Graduate programs 1978-79

CBA Dean's Advisory Committee 1979-81

CBA MBA Director Search Committee, 1980

Ph.D. Coordinating Committee, 1982-83, 1986-88

CBA Executive Committee, 1985-1990

CBA United Way Coordinator, 1987

CBA Management Development Center Director Search Committee, 1988-89

CBA Curriculum Revision Task Force, 1991-92

CBA Summer Faculty Research Award Committee, 1992

CBA Advisory Committee on Masters Programs, 1993-94

Eminent Scholar Search Committee, 1995

Chair, QAOM Reappointment, Promotion, and Tenure Committee, 1996

CBA Accounting Department Head Review Committee, 1996

Review Committee, 1997 Ronald J. Dornoff Fellowship for Teaching Excellence

CBA Information Technology Committee, 1999-2001 (Chair, 2000-2001)

QAOM Faculty Search Committee, 2001

CBA IT Analyst search committee, 2002

CBA Trosper Award Committee, 2002

CBA Technology Council, 2002-2003

### **University Committees**

Rieveschl Award Committee, 1980

Summer Faculty Fellowship Review Committee, 1986; Chairperson, 1987

Provostal Distinguished Award for the Promotion of Diversity and Equality Review Committee, 1986, 1987

Graduate Center for Computing Disciplines

- Curriculum Committee 1986
- Research Initiation Committee 1986
- Executive Committee, 1988
- Director Search Committee, 1989

Graduate Council 1986-88

College of Business Administration Dean's Search Committee, 1987

Salary Equity Review Committee, 1988-89

Institute of Advanced Manufacturing Sciences Technical Advisory Colemattee, 1990 Distinguished Dissertation Fellowship Review Committee, 1995 University Graduate Council, Internal Graduate Program Review Committee, 1996 InfoTech Committee, 2000-2002

Academic Advising: Quantitative Analysis majors at the undergraduate, MBA and Ph.D. levels

Student Activities: Faculty Advisor, Alpha Kappa Psi Business Fraternity 1983 - present

#### **DOCTORAL DISSERTATION ADVISING**

- 1. Member, Richard Kipp Martin, "Solving Large-Scale Integer Programs with Special Ordered Sets" (completed 8/80).
- 2. Member, Tigineh Mersha, "The Allocation of Resources to Subunits Within a Health Care System" (completed 4/82).
- 3. Member, Mohammad H. Qayoumi, "Optimal Expansion of Electrical Power Networks Considering Economic Energy Transactions" (completed 8/83).
- 4. Member, Fabienna Godlewski, "Analysis of Coordination Mechanisms in Decentralized Decision-Making Processes" (completed 12/83).
- 5. Chairman, William Leigh, "The Interpretation of Natural Language Based Queries Using Optimization Methods" (completed 2/84).
- 6. Chairman, Richard A. Hall, "The Clustered Traveling Salesman Problem" (completed 12/84).
- 7. Member, Richard A. Feinauer, "A Mechanism for Natural Language Access to Database" (completed 5/85).
- 8. Member, Margaret G. Cunningham, "The Unconstrained Cost Optimal Design of Sequential Attribute Sampling Plans for Preliminary Inspection" (completed 10/85).
- 9. Member, Scott M. Shafer, "A Comparison of Manufacturing Cell Formation Techniques," (completed 11/88).
- 10. Member, Eleni Pratsini, "The Capacitated Lot Sizing Problem with Process and Setup Learning," (completed 4/90).
- 11. Chairman, Adam Fadlalla, "Using Artificial Intelligence Techniques to Improve the Performance of Branch and Bound Algorithms" (completed, 9/90).
- 12. Member, Margaret M. Sklar, "A Knowledge Engineering Approach to Linear Programming Formulation," (completed 6/91).
- 13. Chairman, Shigeru Tsubakitani, "An Investigation of New Search Techniques for the Traveling Salesman Problem," (completed 8/91).
- 14. Member, Christine Noble, "The Impact of SOS Identification on Integer Programming Solution Efficiency," (completed 8/95)
- 15. Chairman, Ramamurthi Ramabadran, "Cooperative Benchmarking: An Empirical Investigation of the Impact of Team and Partner Characteristics on Project Outcomes," (completed 6/96)
- 16. Chairman, Matthew W. Ford, "A Model of Change Process and Its Use in Self Assessment" (completed 8/00)
- 17. Chairman, Paul Stephens, "Small Business and High Performance Management Practices," (completed 11/00)

### MASTER OF SCIENCE ADVISING

- 1. Chairman, Sharon Hannig-Smith, "An Airport Passenger Processing Simulation Model," (completed 1/81).
- 2. Chairman, Joel I. Kahn, "Analysis of Automatic Warehousing System Operating Policies," (completed 6/81).
- 3. Chairman, Mark Kleinhenz, "An Algorithm Using Aggregation to Solve a Large Scale Linear Programming Problem to Optimality," (completed 8/86).
- 4. Member, Subhonil Ghoshal (Industrial Engineering), "Graphical Representation of Multivariate Statistical Process Control Data in Computer Integrated Manufacturing Environment," (completed 9/95).
- 5. Member, Hemal Manek, (Industrial Engineering), "A Decision Support Framework for Product Development," (completed 11/96).
- 6. Member, William Pordan, "Evaluating NFL Quarterback Performance Efficiency Using Data Envelopment Analysis," (completed 7/97)
- 7. Member, Chris Lynd, "Heuristic and Mathematical Programming Approaches to Solving a Baseball Scheduling with Time Windows Problem, (completed, 7/97)

#### **CONFERENCE PRESENTATIONS**

- 1. "Matroids, Unimodularity, and the Mulicommodity Transportation Problem" (with J. Jak and R. Duke) ORSA/TIMS National Meeting, Chicago, 1975.
- 2. "An Improved Formulation and a Heuristic Algorithm for the Integer Multicommodity Transportation Problem" (with J. Jarvis), ORSA/TIMS National Meeting, Las Vegas, 1975.
- 3. "The Transportation Problem and Its Extensions: A Survey", ORSA/TIMS National Meeting, Philadelphia, 1976.
- 4. "Feasible Flows in Multicommodity Networks With Lower Bounds" (with Kipp Martin), ORSA/TIMS National Meeting, 1976.
- 5. "Fundamental Circuits in Complete Graphs and the Traveling Salesman Problem," ORSA/TIMS National Meeting, Miami, 1976.
- 6. "Special Structures in the Segregated Storage and Related Transportation Problems Using Benders' Partitioning," ORSA/TIMS National Meeting, Miami, 1976.
- 7. "Linear Programming and Geometric Duality in Networks," ORSA/TIMS National Meeting, San Francisco, 1977.
- 8. "Integrality in Multicommodity Networks," ORSA/TIMS National Meeting, Atlanta, 1977.
- 9. "Network Modeling in Production Planning," 29th Annual Conference of the American Institute of Industrial Engineers,
  Toronto, May 1978.
- 10. "Solving Multicommodity Transportation Problems Through Aggregation," ORSA/TIMS National Meeting, Los Angeles, November 1978.
- 11. "Clustering and Decomposition Approaches to the Traveling Salesman Problem," (with Richard A. Hall), ORSA/TIMS National Meeting, Los Angeles, November 1978.
- 12. "Toward a Framework For Heuristic Optimization," 30th Annual Conference of the American Institute of Industrial Engineers, San Francisco, May 1979.
- 13. "Model Simplification in Multicommodity Distribution Systems Through Aggregation," National AIDS Conference, New Orleans, November 1979.
- 14. "Computational Improvements for Multicommodity Distribution Problems," Midwest AIDS Conference, Dayton, OH, April 1980.
- 15. "Perspectives on Modeling and Problem Solving in Operations Research," 32nd Annual Conference of the American Institute of Industrial Engineers, May 1981.
- 16. "The Design of a Ridesharing Evaluation Study in the Ohio-Kentucky-Indiana Region" (with Michael P. Thomas and Gregory J. Westerbeck), Mid-Continent Regional Science Association Annual Meeting, Cincinnati, OH, May 1981.
- 17. "Nonlinear Optimization for Linear Goal Programming: An Interactive Approach," National AIDS Conference, Boston, November 1981.
- 18. "Solving Mix-of-List Problems in Direct Mail Advertising" (with F.R. Dwyer), National AIDS Conference, Boston, November 1981.
- 19. "Development and Evaluation of a Ridesharing Program" (with G. Westerbeck), ORSA/TIMS National Meeting, Detroit, 1982.
- 20. "Economic Models for Project Selection Under High Uncertainty" (with S. J. Mantel and V. A. Tipnis), ORSA/TIMS National Meeting, Chicago, 1983.
- "Some Observations on the Probabilistic Analysis of the Traveling Salesman Problem" (with R. A. Hall), ORSA/TIMS National Meeting, Chicago, 1983.
- 22. "Flexible Mixed-Integer Programming Formulations for Production Scheduling Problems," 1983 Spring Annual Conference, Institute of Industrial Engineers.
- "Network Based Solution Methods for Multi-Item Lot Sizing with Capacity Constraints," ORSA/TIMS National Meeting, Orlando, 1983.
- 24. "Exploiting Special Ordered Sets in the Set Partitioning Problem" (with D. J. Sweeney), ORSA/TIMS National Meeting, Orlando, 1983.
- 25. "Economic Sensitivity Analysis for Productivity Improvement" (with S. J. Mantel, Jr.), ORSA/TIMS National Meeting, San Francisco, 1984.
- 26. "A Mathematical Programming Model for Bulk Product Sequencing With Buffer Inventory," with J.D. Camm and N. K. Womer) ORSA/TIMS National Conference, Atlanta, November, 1985.
- 27. "The Unit Learning Curve Approximation of Total Cost," (with J. D. Camm) Fall Industrial Engineering Conference, Chicago, December, 1985.
- 28. "A Mathematical Programming Model for a Continuous Flow Product Sequencing Problem," (with J. D. Camm) Fall Industrial Engineering Conference, Chicago, December, 1985.
- 29. "Toward an Intelligent Decision Support System for Production Planning" (with D. Dennis), National DSI Conference, Honolulu, November 1986.
- "Scheduling American League Umpires: A Microcomputer-Based DSS," National DSI Conference, Honolulu, November 1986.

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